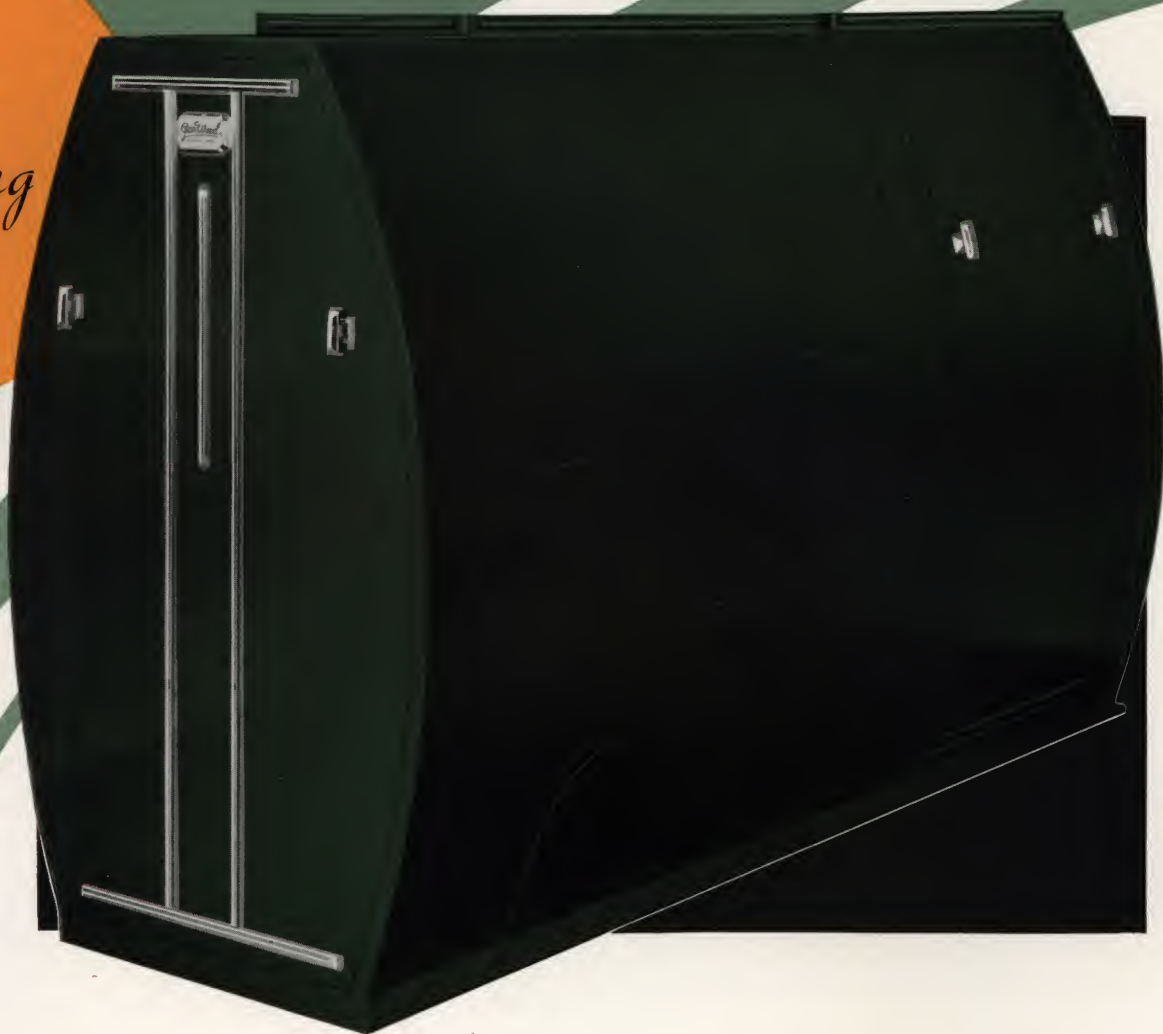


HOME *Air*
conditioning
AT ITS
BEST



Gear Wood

TEMPERED-AIRE

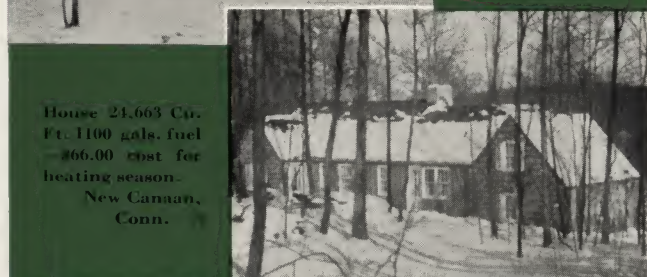
Gar Wood

TEMPERED-AIRE

Heating and Air Conditioning for the Home



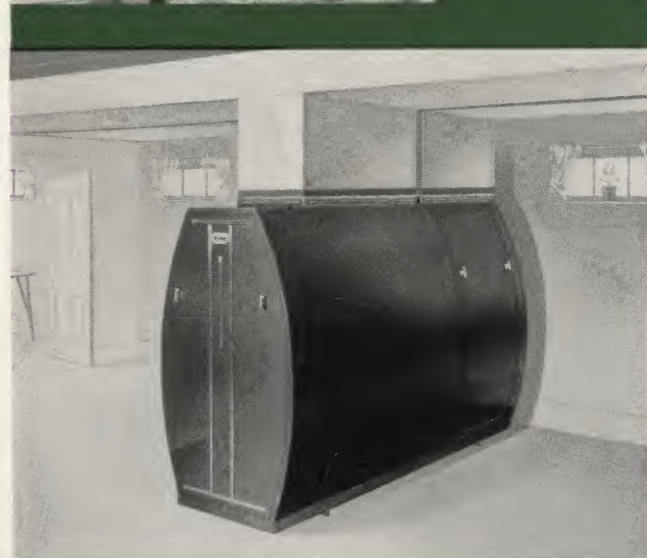
House 45' x 25'— 2 stories, 1140 gallons fuel— \$79.80 cost for heating season.
Catonsville, Md.



House 21,663 Cu. Ft. 1100 gals. fuel— \$66.00 cost for heating season—
New Canaan, Conn.



15,812 Cu. Ft. heated with 1215 gals. oil— cost \$75.33 for heating season.
Chicago, Ill.



• Typical installation of Gar Wood Tempered-Aire system showing unit and Airdux trunk lines

The new home you are planning to build should have a good economical heating plant, one that will give you years of comfort, at low cost.

The Gar Wood Tempered-Aire will give you home air conditioning at its best.

In Winter, Spring and Autumn you get PURE, FILTERED AIR that banishes dust and dirt from your home and lightens household cleaning... CIRCULATED AIR that gently and evenly distributes warmth and maintains freshness... HUMIDIFIED AIR, that preserves the newness of fabrics and furniture and guards your family's health and comfort... WARMED AIR, to give you the temperature that suits your comfort... these are what you have from Autumn until Spring with Tempered-Aire.

And in SUMMER, Tempered-Aire makes your house more comfortable to live in by using the blower and ductwork as a ventilating system.

Owners say!

Gar Wood OIL HEAT

COSTS LESS THAN COAL

The records of owners attest the economy and efficiency of Tempered-Aire... the result of engineering design features developed through years of heating and air conditioning experience.

Gar Wood Tempered-Aire units differ from others in fuel economy, just as they do in heating performance. And the new units are better in every way.

First to design and build the integral furnace-burner unit, Gar Wood gives you a thoroughly coordinated heating plant, manufactured entirely in the Gar Wood factories... backed by an outstanding record of success... enthusiastically endorsed by home owners.

Gar Wood Airdux assures uniform heating in all rooms. The standardized, factory designed, Airdux eliminates the chance of getting a complicated, inadequate or unbalanced duct installation. When you have Gar Wood Airdux you can be sure of satisfaction and economy.

THE BURNER

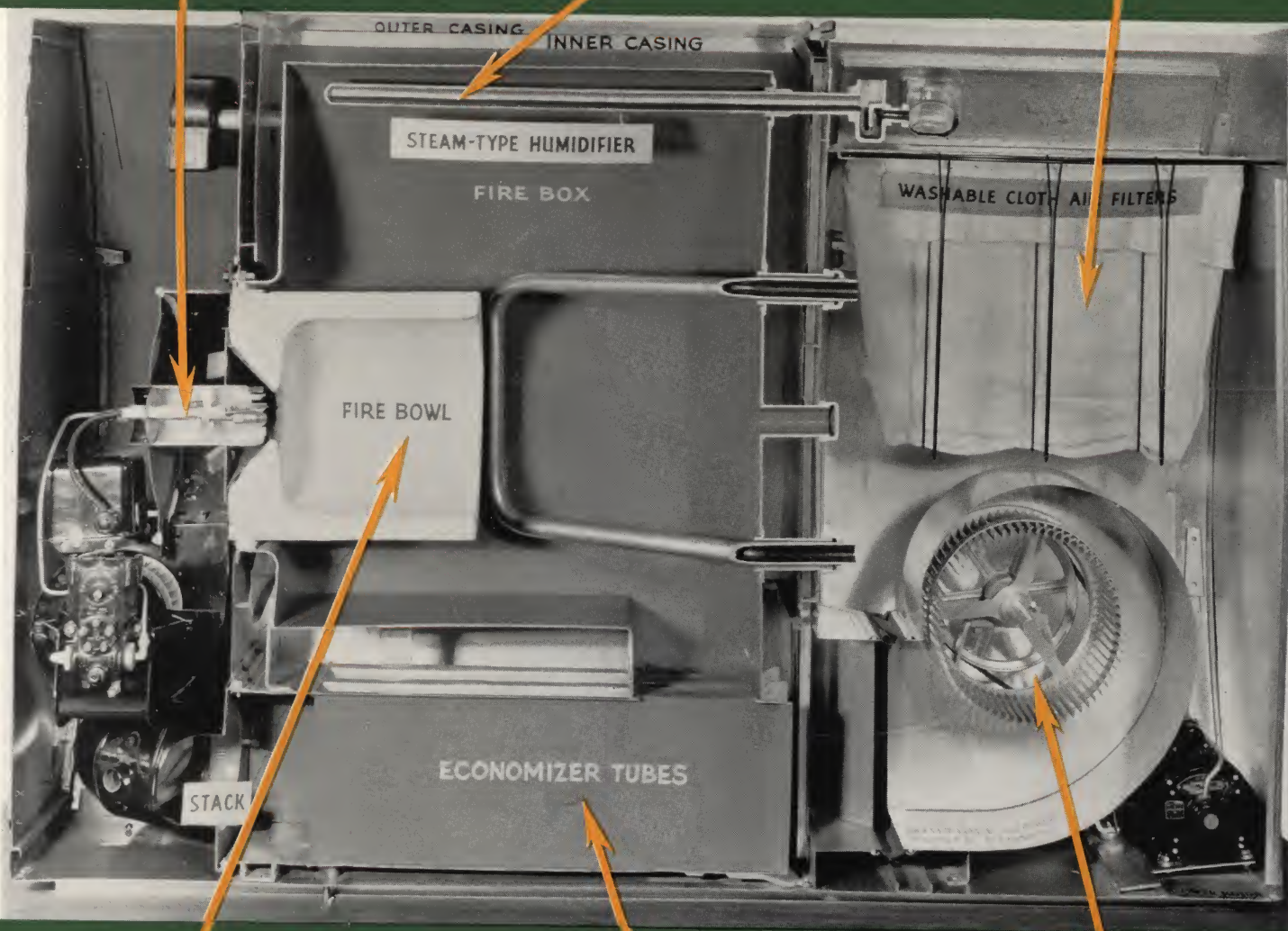
Designed for a single purpose. Engineered and built as a unit with the exclusive factory precast refractory combustion chamber. Rear end of firebowl forms a wind-box containing air at sufficient pressure to offset the effect of changes in chimney draft on the amount of combustion air supplied. Result is definitely controlled combustion. The fire is clean and quiet.

THE HUMIDIFIER

A miniature flash steam boiler located within the furnace firebox. Goes into action immediately when the burner starts. Overcomes the shortcomings of the slow heating evaporating pan type of humidifier. Delivers adequate humidity into the house under the difficult conditions imposed by the short firing cycles resulting from the use of modern heat - accelerated thermostats.

THE FILTER

Washable cloth bags, similar to vacuum cleaner sacks, clean the air each trip through the unit. Washing the filters, rather than throwing them away and buying new ones, results in a considerable annual saving. The cleaning fits into household routine without inconvenience. These filters are particularly effective in keeping the air clear of very fine dust particles.



GAR WOOD TEMPERED-AIRE UNIT CUT THROUGH THE CENTER TO SHOW INTERNAL WORKING PARTS

THE FIREBOWL

The firebowl is precast at the factory of light weight refractory material. Its horizontal cylindrical shape is ideal for a combustion chamber. The rotating flame completes its combustion entirely within the bowl. Ample clearance between the firebox side walls and the bowl prevents deterioration due to oxidation and results in the entire firebox being effective heating surface.

THE ECONOMIZER

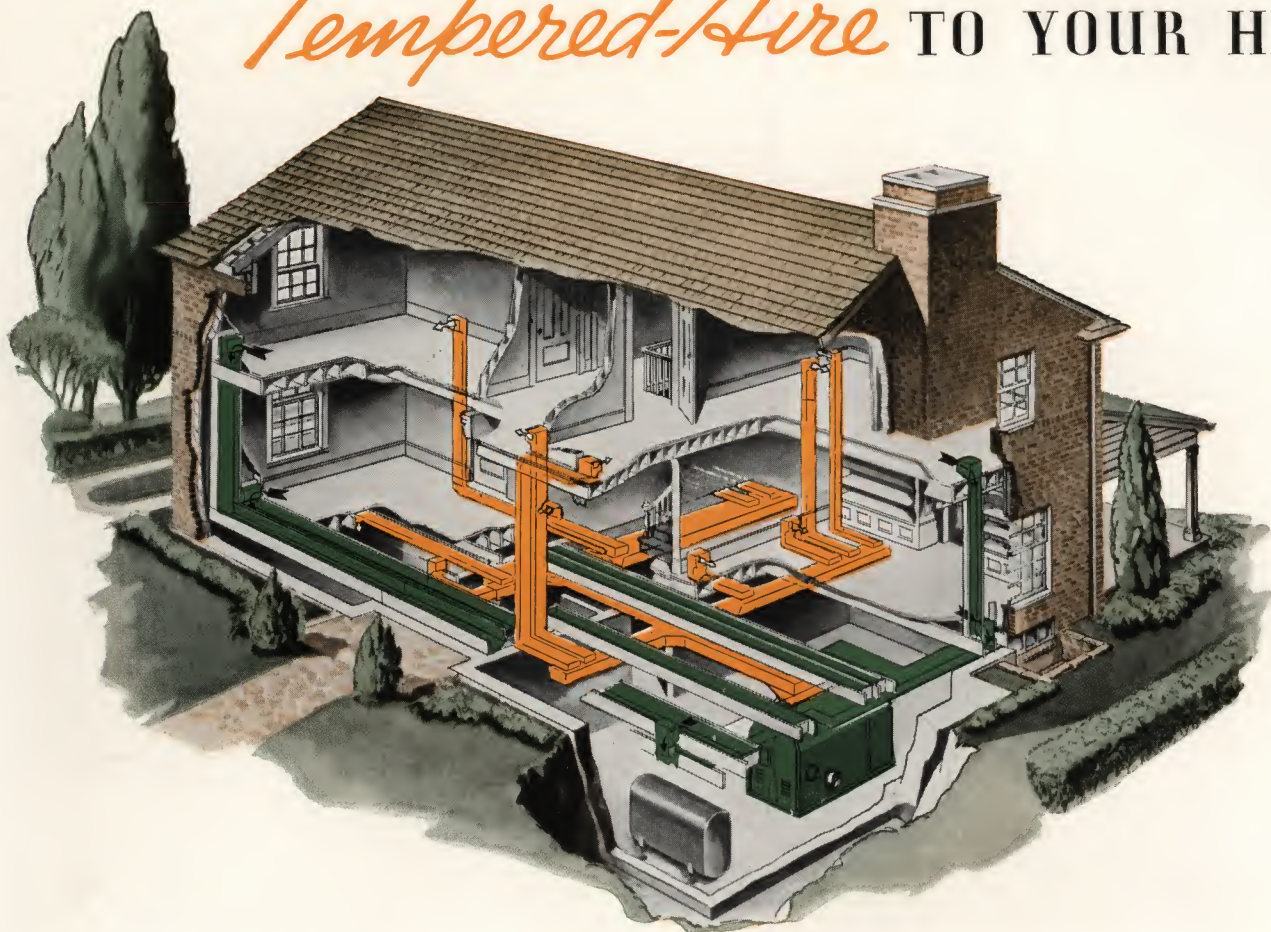
The economizer, being directly under the firebox, instead of beside it, is connected to the firebox bottom and receives only the coolest gas. It consists of a large number of flat tubes in order to increase the secondary heating surface and provide a close contact with the gas within the tubes. The full blast of cold air from the blower drives directly over the tubes to extract all useful heat.

THE BLOWER

Oversize blowers are used to avoid high speeds with attendant noise and excessive current consumption. Ball bearings, permanently grease packed, and mounted in rubber pillow blocks, are used. The belt tension is automatically maintained by the weight of the motor. The entire assembly is rubber mounted and connected to the economizer by a canvas coupling to prevent sound telegraphing.

FITTING

Tempered-Aire TO YOUR HOME



● You, like thousands of other home owners, may have the Gar Wood Tempered-Aire in your home. Talk to a Gar Wood representative and have him give you facts on why a Gar Wood Tempered-Aire system for your home is the best money can buy.

Each year, since the first Gar Wood Tempered-Aire unit was

introduced, it has been consistently improved . . . and continues, today to be far ahead of all imitations. So . . . when you are considering the purchase of a residential automatic heating and air conditioning unit, remember this; that only Gar Wood builds a Tempered-Aire . . . and that it's safest to buy a Gar Wood.

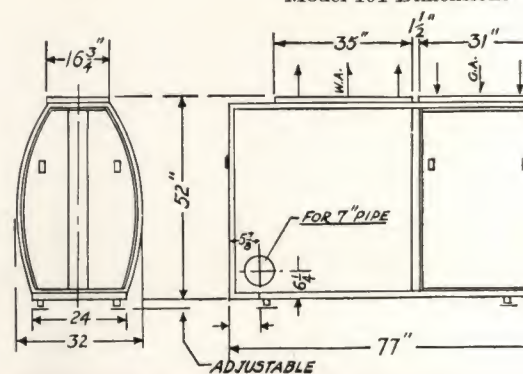
Ask Your Architect and Builder to Specify Gar Wood

Tempered-Aire Ratings and Dimensions	No. 001	No. 101	No. 201	No. 301	No. 401	No. 501
Btu 1 Hour at Bonnet . . .	85,000	100,000	135,000	200,000	300,000	400,000
Btu 1 Hour at Grilles . . .	68,000	80,000	110,000	160,000	240,000	320,000
*Air Delivery CFM . . .	850	1,000	1,350	2,000	3,000	4,000
Oil Nozzle Size G.P.H. . .	.85	1.00	1.35	2.00	3.00	4.00
Heating Surface, Sq. Ft. . .	40	54 1/2	64	86	124	164
Filter Area, Sq. Ft. . .	30	30	48	52	78	78
Motor H P—Burner . . .	1/6	1/6	1/6	1/6	1/4	1/4
Motor H P—Blower . . .	1/6	1/6	1/4	1/4	3/4	1
Over all Length, Inches . .	71	77	83	89	116	131
Over all Width, Inches . .	29 1/4	32	32	36 5/8	45	45
Over all Height, Inches . .	48	54	54	57	65	65
Dim.—Supply Opening . .	28 3/4" x 14 3/4"	35" x 16 3/4"	36 1/2" x 16 3/4"	36 3/4" x 16 3/4"	50" x 21 1/4"	65" x 21 1/4"
Dim.—Return Opening . .	28 1/2" x 14 3/4"	31" x 16 3/4"	32 1/2" x 16 3/4"	36" x 16 3/4"	47 1/2" x 21 1/4"	47 1/2" x 21 1/4"
Blower Wheel, Dim. . .	10" x 10"	12" x 12"	14" x 14"	16" x 16"	20" x 20"	20" x 20"
Shipping Weight, lbs. . .	760	900	1,000	1,200	1,500	1,800
†Stack Connection, dia. . .	7"	7"	8"	9"	2-10"	2-10"
Rec. Chimney Size . . .	8" x 12" x 30'	8" x 12" x 30'	8" x 12" x 30'	12" x 12" x 35'	12" x 16" x 40'	12" x 16" x 40'

*Ratings based on 175° bonnet temperature and 65° return temperature. Greater air deliveries with correspondingly lower bonnet temperatures may be had by the use of larger blower motors.

†On Models 401 and 501 connect both stack outlets to chimney.

Model 101 Dimensions



AIR CONDITIONING DIVISION

GAR WOOD INDUSTRIES, INC., DETROIT, MICHIGAN

OIL AND GAS FIRED AIR CONDITIONING UNITS • BOILER-BURNER UNITS • OIL FIRED COMMERCIAL AND DOMESTIC WATER HEATERS • VENTILATORS • INDIRECT AIR CONDITIONING SYSTEMS • CONVERSION OIL BURNERS